

29. A process for preparing a polyester resin comprising:
producing 2,6-dialkylnaphthalene from a feedstock by the process of Claim 22;
oxidizing the 2,6-dialkylnaphthalene to form 2,6-naphthalenedicarboxylic acid;
esterifying the 2,6-naphthalenedicarboxylic acid with methanol to form a 2,6-
naphthalenedicarboxylate; and

manufacturing the polyester resin from the 2,6-naphthalenedicarboxylate.

30. A process for preparing a polyester resin comprising:
producing 2,6-dialkylnaphthalene from a feedstock by the process of Claim 24;
oxidizing the 2,6-dialkylnaphthalene to form 2,6-naphthalenedicarboxylic acid; and
manufacturing the polyester resin from the 2,6-naphthalene-dicarboxylic acid.

31. A process for preparing a polyester resin comprising:
producing 2,6-dialkylnaphthalene from a feedstock by the process of Claim 24;
oxidizing the 2,6-dialkylnaphthalene to form 2,6-naphthalenedicarboxylic acid;
esterifying the 2,6-naphthalenedicarboxylic acid with methanol to form a 2,6-

naphthalenedicarboxylate; and

manufacturing the polyester resin from the 2,6-naphthalenedicarboxylate.
